

U.S. must find technology balance with Japan

While the world's two greatest military powers strive to build a more constructive relationship in the wake of the Reagan-Gorbachev summit, a little-noticed but important development in the relationship between the world's two greatest economic powers is unfolding in Tokyo and Washington.

At the conclusion of Japanese Prime Minister Noboru Takeshita's visit to the White House in January, a major unresolved issue was the renewal of the U.S.-Japan Science and Technology Agreement that was first signed in 1980. This agreement, which expired Jan. 31, provided a general framework for U.S.-Japan science and technology relations, including the principle of cooperation in those fields. But little progress has been made in reaching a new agreement.

Attention has been focused mainly on our huge trade deficit with Japan and the dollar's losing battle with the yen, both of which have defied any significant corrective response. Yet a U.S.-Japan science and technology agreement that is fair to both sides can be a major help in correcting the trade imbalance.

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A root cause of the imbalance is the inequitable technology flow between the United States and Japan that has existed for many years. American research and technology have undergirded the Japanese economic miracle and boomeranged in the form of a huge merchandise deficit with Japan.

This unequal flow of technical know-how, the "one-way street" syndrome, must stop. Moves are under way in both countries to address the imbalance, but much more needs to be done. The agreement should pave the way for achieving two paramount goals: that equity be a fundamental precept of relationships in science and technology, and that Japan fund more basic research.

Let me suggest some specific steps that could be taken to achieve these goals. Japan should open its government-supported research and development projects to Americans, just as Japanese researchers now have relatively easy access to our laboratories.

In the long term Japan must develop institutions and programs that will permit it to share with other nations the costs as well as the benefits of technology. In the meantime, Japan should assume a fair share of responsibility for generating new knowledge. One way to do this would be to provide funding for basic research to be administered by the U.S. National Science Foundation.

Japan should also grant rights to American firms for technologies developed in Japan that are based on U.S. research. In order to properly implement a program to correct these imbalances, a system is needed to measure the relative value of technologies.

Finally, the United States and Japan should establish a body to identify programs by which more equitable flows of technology are established to implement the new agreement.

For far too long we have been providing the Japanese with almost unlimited access to our technology while getting little in return.

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